

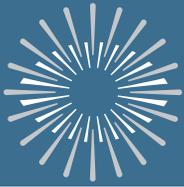
BOSTON SIGHT

BostonSight® PROSE Treatment Information for Patients and Doctors

“**PRIOR TO GETTING MY** PROSE devices, life was hard. Everything that I loved to do was slipping away...That all changed the day I got PROSE treatment.”

— PROSE patient





BostonSight PROSE Treatment

BostonSight PROSE (prosthetic replacement of the ocular surface ecosystem) is a treatment pioneered by BostonSight that restores visual function, supports healing, reduces symptoms and improves quality of life for patients suffering with complex corneal disease. BostonSight PROSE uses FDA approved (1994) custom designed and fabricated prosthetic devices to replace or support impaired ocular surface system functions.

BostonSight PROSE treatment is available at top-ranked academic medical centers and clinics across the U.S.

Benefits

BostonSight PROSE can:

- **Reduce symptoms and support healing** by restoring a healthy ocular surface environment
- **Improve blurry vision** by masking surface corneal irregularities and transmitting a sharp image to the back of the eye
- **Prevent damage** by protecting the cornea against the environment and eyelids

For many of the thousands of patients suffering with complex corneal disease, PROSE may be the ideal, and sometimes only, treatment capable of restoring visual function and reducing eye pain and light sensitivity.



Indications

Ocular Surface Disease

DRY EYE SYNDROME / K SICCA

- Ocular chronic GVHD
- Sjögren's syndrome
- History of refractive surgery (LASIK/ PKP)
- Rheumatoid arthritis
- After radiation

LIMBAL STEM CELL DEFICIENCY

- Stevens Johnson syndrome
- Aniridia
- Ocular cicatricial pemphigoid
- Chemical / thermal injury
- Persistent epithelial defect (PED)

EPIDERMAL OCULAR DISORDERS

- Goldenhar syndrome
- Ectodermal dysplasia
- Atopy
- Epidermolysis bullosa

NEUROTROPIC KERATITIS

- Herpes zoster (shingles)
- Herpes simplex (ocular herpes)
- Familial dysautonomia
- Moebius syndrome
- Trigeminal nerve dysfunction
- After surgery
- Trigeminal Ganglionectomy

CORNEAL EXPOSURE/ LAGOPHTHALMOS

- Anatomic
- Paralytic
 - Acoustic neuroma

Distorted Corneal Surface

DEGENERATIONS

- Keratoconus
- Keratoglobus
- Pellucid marginal degeneration
- Terrien's marginal degeneration
- Salzmann's nodular degeneration
- Ehlers-Danlos syndrome

DYSTROPHIES

- Cogan's dystrophy (map-dot-fingerprint)
- Bowman's dystrophy (Reis-Bucklers)
- Granular corneal dystrophy
- Lattice corneal dystrophy
- Meesmann's corneal dystrophy

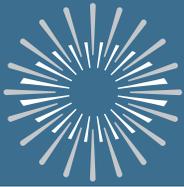
AFTER SURGERY

- Cornea transplant (PK, PKP)
- Radial keratotomy (RK)
- Photorefractive keratectomy (PRK)
- Phototherapeutic keratectomy (PTK)
- Epikeratophakia
- LASIK
- Open globe injury

CORNEAL SCARRING

- After trauma
- After infection



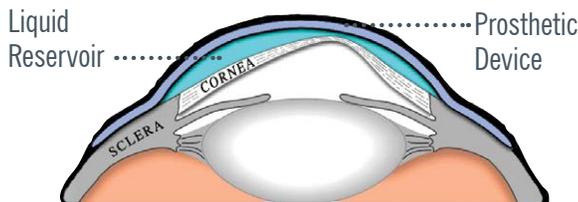


PROSTHETIC DEVICES USED IN PROSE

The prosthetic devices that are created during BostonSight PROSE treatment are transparent domes, about the size of a nickel, made of gas-permeable plastic that allows oxygen to reach the ocular surface. BostonSight PROSE devices fit under the eyelids and rest on the sclera (the relatively insensitive white tissue of the eye), vaulting the damaged cornea and creating a new smooth optical surface that protects the eye from the environment and blink trauma. The prosthetic devices are filled with saline each day at the time of application, and are removed at bedtime.

BostonSight PROSE creates:

- A new transparent, smooth optical surface over the distorted, damaged or diseased cornea
- An expanded artificial tear reservoir that provides constant lubrication while maintaining necessary oxygen supply



TREATMENT PROCESS

PROSE treatment teams include optometrists who have completed an intensive BostonSight PROSE Clinical Fellowship and cornea specialist ophthalmologists.

Clinical Fellows use BostonSight's proprietary DTF® CAD/CAM system to custom design each device precisely to the patient's unique eye shape, maximizing ocular surface system function. All PROSE devices are manufactured at BostonSight's state-of-the-art lab in Needham, MA.

TREATMENT STEPS

- Referral from primary eye care provider, medical doctor or cornea specialist
- Medical records review by a BostonSight PROSE doctor
- Initial medical consultation of 2 - 3 hours to determine candidacy for PROSE treatment
- Determination of insurance coverage and eligibility for financial assistance (2 - 6 weeks)
- PROSE treatment (4 - 12 day-long visits)
- Periodic follow-up visits as required
- Comprehensive evaluation by a PROSE provider annually

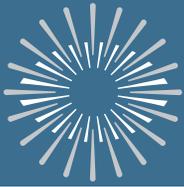
PROSE doctors work with patients, their support systems and other medical providers to understand each patient's specific needs and reach treatment goals together.

Patients continue to be followed by their primary eye care provider during and after treatment; PROSE doctors are available to work collaboratively with patients' other doctors.

INSURANCE COVERAGE

Many major insurance carriers cover BostonSight PROSE treatment. Financial assistance may be available for those who qualify. Contact the PROSE Provider closest to you for more information.





Symptoms and Treatment Success

A 2010 BostonSight survey of more than 1,000 people with corneal disease, including 378 BostonSight PROSE patients, reported that:

- 80% had moderate or severe eye pain
- 72% had light sensitivity
- 72% had difficulty driving at night
- 69% had difficulty reading regular print newspapers, magazines or websites
- 65% had difficulty with work or hobbies that require seeing up close

The survey also asked respondents about their success with a variety of treatments. Of the most common treatments:

- 5% had significant success with oral antibiotics, fish oil or flaxseed oil
- 6% with punctal plugs
- 6% with topical immunosuppressant medications (cyclosporine / Restasis)
- 10% with artificial tears, lubricant gel or lubricant ointment
- 10% with topical steroids

80% had significant success with BostonSight PROSE treatment

Reports of Research

BostonSight PROSE treatment:

“...significantly improved visual acuity and visual functioning in patients with corneal ectasia, irregular astigmatism and ocular surface disease...”

— *American Journal of Ophthalmology*,
2010 Jan; 149(1):54-61

“...offers a high impact on visual acuity and on visual function with documented continued wear for 6 months in 88% of eyes. PROSE treatment is an alternative to penetrating keratoplasty for patients with corneal ectasia who are contact lens intolerant.”

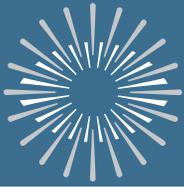
— *Contact Lens & Anterior Eye*, 2012 Oct; 35(5):222-7

“...offers continued benefit, as defined by improved visual function and continued device wear at five years, to almost 75% of candidates with complex corneal disease.”

— *Poster Presentation, Association for Research in Vision and Ophthalmology*, May 2014

BostonSight PROSE Providers have published more than 45 scientific papers on PROSE treatment. www.bostonsight.org/research





About BostonSight

BostonSight is a world renowned nonprofit eye health care organization with a mission to improve the quality of life for patients and their families by transforming the understanding, treatment and care of complex corneal disease.

The Needham, MA Center of Excellence includes a Medical Institute, a BostonSight PROSE Device Manufacturing Lab, a Clinical Research Center and a Patient & Community Support Center.



Through educational partnerships with the acclaimed Massachusetts Eye and Ear and New England College of Optometry, Cornea Fellows and Optometry Residents learn about PROSE treatment and join our doctors in cutting edge clinical research.

The expanding BostonSight Network includes top-ranked academic medical centers, improving access to PROSE treatment and restoring sight to thousands of patients worldwide.

www.bostonsight.org

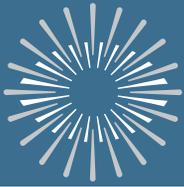
Compassionate Care

Compassionate care is at the heart of our approach to patients and their families. From welcoming caregivers into the treatment process to providing group training opportunities that allow patients to learn from one another, we strive to make the entire experience as supportive and healing as possible.

Our community kitchen offers complimentary breakfast, lunch and snacks. Throughout the day between appointments, patients can be found relaxing in the low-light quiet room, catching up with work or family via wireless internet in our lounge, or watching a DVD and playing games in our media room.

The BostonSight apartment, a short walk from our facility, may be available to out-of-town patients for a small fee.





Meet our Doctors



Deborah S. Jacobs, MD
MEDICAL DIRECTOR



Amy Parminder, MD



Karen G. Carrasquillo
OD, PHD, FAAO
DIRECTOR OF CLINICAL CARE



Alan Kwok, OD, FAAO



Chirag Patel, OD, FAAO



Crystal D. Remington
OD, FAAO

Schedule a Consultation

CALL US TODAY FOR A CONSULTATION!

Contact our New Patient Affairs Department today at 781-726-7501 to learn more about BostonSight PROSE treatment or set up a medical consultation.

INSURANCE COVERAGE

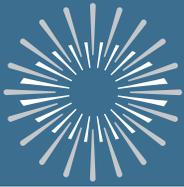
Each year, approximately 80% of our patients are covered by insurance and/or financial assistance. Our staff works with patients and their health insurance providers to obtain prior authorizations when necessary and are happy to help with financial assistance applications.

FOR PHYSICIAN REFERRALS

For new patient referrals or inquiries from medical professionals, please call our Physician Referral Hotline at 781-726-7501 or email doctorinquiries@bostonsight.org.

You can also complete our Physician Referral Form online at www.bostonsight.org/doctors and fax it along with your last note to 781-726-7311; or email the form and your note to doctorinquiries@bostonsight.org.

BostonSight
464 Hillside Avenue | Suite 205
Needham, MA 02494
781-726-7337
www.bostonsight.org



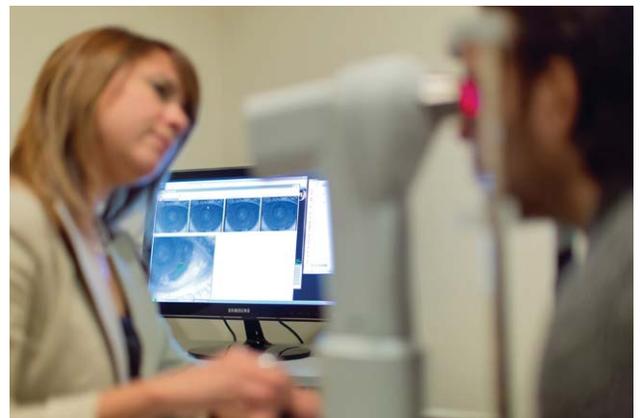
BostonSight Network

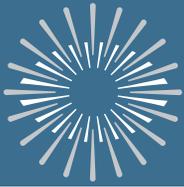
- ALKEK EYE CENTER
Baylor College of Medicine, Houston, TX
- BASCOM PALMER EYE INSTITUTE
University of Miami, Plantation, FL
- BOSTONSIGHT
Needham, MA
- BROOKE ARMY MEDICAL CENTER
San Antonio, TX
- FLAUM EYE INSTITUTE
University of Rochester, Rochester, NY
- ILLINOIS EYE AND EAR INFIRMARY
University of Illinois College of Medicine, Chicago, IL
- KELLOGG EYE CENTER
University of Michigan, Ann Arbor, MI
- MASSACHUSETTS EYE AND EAR
Boston, MA
- NORTHWELL HEALTH
Great Neck, NY
- UNIVERSITY OF CALIFORNIA
San Francisco, CA
- USC ROSKI EYE INSTITUTE
University of Southern California, Los Angeles, CA
- WEILL CORNELL EYE ASSOCIATES
Weill Cornell Medical College, New York, NY
- WILMER EYE INSTITUTE
at Johns Hopkins, Baltimore, MD

The BostonSight Network is always expanding.
Visit www.bostonsight.org/providers.

Community Resources

- BostonSight
WWW.BOSTONSIGHT.ORG
- PROSE Eye View* e-bulletin
WWW.BOSTONSIGHT.ORG/EBULLETIN
- Financial, travel and lodging resources
WWW.BOSTONSIGHT.ORG/PATIENT-RESOURCES
- Patient support organizations
WWW.BOSTONSIGHT.ORG/SUPPORT-ORGS
- Connected Visions* blog
BLOG.BOSTONSIGHT.ORG
- Facebook
WWW.FACEBOOK.COM/BOSTONSIGHT
- YouTube
WWW.YOUTUBE.COM/BOSTONSIGHT





Directions



BostonSight
464 Hillside Ave.
Suite 205
Needham, MA
781-726-7337

Our facility is eight miles west of Boston and easily accessible by car or public transportation.

Access online at www.bostonsight.org/directions.

By car: From the east or west (including Logan Airport): take Route I-90 West (Massachusetts Turnpike) to Route 95/128 South and then follow north/south direction below.

From the north or south: take Route 95/128 to exit 19B – Highland Ave., Needham. Follow Highland Ave. for 1.0 miles. Turn right at the traffic light onto West St. Drive across the railroad tracks and take a left onto Hillside Ave. #464 is a two-story brick building on your left.

By public transportation from Boston – MBTA:

Board an outbound Needham line commuter rail (purple) train at either South Station or Back Bay. Take the train to the last stop - Needham Heights. The cost is currently \$6.25 each way.

Exit the train and walk to your right towards West St. Take a right on West St. towards Hillside Ave. Turn left on Hillside Ave. and walk to #464 on left. The total walking distance is 0.3 miles.

From Logan Airport, take Silver Line Bus #S1 to South Station and follow directions above.